

VTN

Recombinant Human Vitronectin

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|---------------------------------|--|------------------|-------------------------|
| Catalog No. | CRH116A CRH116B CRH116C | Quantity: | 2 µg 10 µg 1.0 mg |
| Alternate Names: | V75, VN, VNT, VTN S-protein, Somatomedin-B | | |
| Description: | <p>Vitronectin (VTN) which is a part of the pexin family is a cell adhesion and spreading factor found in serum and tissues. VTN interacts with glycosaminoglycans and proteoglycans. VTN inhibits the membrane-damaging effect of the terminal cytolytic complement pathway and binds to numerous serpin serine protease inhibitors. An over expression of VTN, integrins and plasminogen in migrating cells has been observed during wound healing.</p> <p>Human Recombinant vitronectin, produced in <i>E. coli</i>, is a single, non-glycosylated polypeptide chain containing 482 amino acids (20-478 a.a) fused to a 23 amino acid His-tag at the N-terminus.</p> | | |
| Concentration: | 0.5 mg/ml | | |
| GeneID: | 7448 | | |
| UniProtKB: | P04004 | | |
| Source: | Expressed in <i>E. coli</i> | | |
| Molecular Weight: | 54.7 kDa | | |
| Formulation: | Sterile filtered 20 mM Tris-HCl, pH 8.0, 10% glycerol, 0.4M urea. | | |
| Purity: | > 90% by SDS-PAGE | | |
| Amino Acid Sequence: | <p>MGSSHHHHHH SSGLVPRGSH MGSDQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPED EYT VYDDGEEKNN ATVHEQVGGP SLTSDLQAQS KGNPEQTPVL KPEEEAPEPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFTRINCQ GKTYLFGKSQ YWRFEDGVLD PDYPRNISDG FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV DAAMAGRIYI SGMAPRPSLA KKQRFRHRNR KGYRSQRGHS RGRNQNSRRP SRATWLSLFS SEESNLGANN YDDYRMDWLV PATCEPIQSV FFFSGDKYYR VNLRTRRVDV VDPYPYRSIA QYWLGCAPG HL</p> | | |
| Storage & Stability: | <p>Store at 2-8°C if entire vial will be used within 2-4 weeks. Otherwise prepare working aliquots and store at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.</p> | | |

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